

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	22	(US-20090041588-\$ or US-20080101962-\$ or US-20070154323-\$ or US-20070154320-\$ or US-20070104587-\$ or US-20070071610-\$ or US-20070020111-\$ or US-20050031468-\$ or US-20020182082-\$ or US-20020001523-\$). did. or (US-7413411-\$ or US-6739840-\$ or US-6599093-\$ or US-6533552-\$ or US-6474949-\$ or US-6450771-\$ or US-6158967-\$ or US-6077051-\$ or US-5846056-\$ or US-5813842-\$ or US-5775879-\$ or US-5713724-\$).did.	US-PGPUB; USPAT	OR	OFF	2009/12/08 17:14
L2	1811	(417/53).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/08 17:14
L3	22	L2 and (pressure with (speed or rpm) with motor) and vacuum	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/08 17:14
L4	0	L3 not l1	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/08 17:14
L5	88	(US-20050244277-\$ or US-20050118029-\$ or US-20030006891-\$). did. or (US-6902378-\$ or US-6893227-\$ or US-6487903-\$ or US-6461113-\$ or US-6186744-\$ or US-6050918-\$ or US-6022195-\$ or US-5947692-\$ or US-5819524-\$ or US-5795328-\$ or US-5791880-\$ or US-5772403-\$ or US-5762475-\$ or US-	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/08 17:15

5725357-\$ or US-  
5718565-\$ or US-  
5690476-\$ or US-  
5624394-\$ or US-  
5520517-\$ or US-  
4955795-\$ or US-  
4730999-\$ or US-  
4687021-\$ or US-  
4596514-\$ or US-  
4525125-\$ or US-  
4524311-\$ or US-  
4518316-\$ or US-  
4507054-\$).did. or (US-  
4468170-\$ or US-  
3992130-\$ or US-  
3694105-\$ or US-  
3683600-\$ or US-  
3637326-\$ or US-  
3556677-\$ or US-  
3434282-\$ or US-  
3425416-\$ or US-  
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3067302-\$ or US-  
2950682-\$ or US-  
2945446-\$ or US-  
2899013-\$ or US-  
2848879-\$ or US-  
2834845-\$ or US-  
2787960-\$ or US-  
2765743-\$ or US-  
2687693-\$ or US-  
2512286-\$ or US-  
2340034-\$ or US-  
2144613-\$ or US-  
2084730-\$ or US-  
2049233-\$).did. or (US-  
1913887-\$ or US-  
1842295-\$ or US-  
1716160-\$ or US-  
1713558-\$ or US-  
1619098-\$).did. or (US-  
3556677-\$ or US-  
3434282-\$ or US-  
3425416-\$ or US-  
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		2945446-\$ or US- 2899013-\$ or US- 2848879-\$ or US- 2834845-\$ or US- 2787960-\$ or US- 2765743-\$ or US- 2687693-\$ or US- 2512286-\$ or US- 2340034-\$ or US- 2144613-\$ or US- 2084730-\$ or US- 2049233-\$ or US- 1913887-\$ or US- 1842295-\$ or US- 1716160-\$ or US- 1713558-\$).did. or (US- 1619098-\$).did.				
L6	88	(417/44.3).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/08 17:16
L7	0	L6 not I5	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/08 17:16
S2	3	((MICHAEL) near2 (HOLZEMER)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/27 11:22
S3	3	((FRANK) near2 (SCHONBORN)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/27 11:24
S4	11	((KARL-HEINZ) near2 (RONTALER)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/27 11:24
S5	1	("6419455").PN.	USPAT; USOCR	OR	OFF	2009/07/27 11:30
S6	1	("5947692").PN.	USPAT; USOCR	OR	OFF	2009/07/27 11:59
S7	1781	(417/53).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/27 12:08
S11	22	S7 and (pressure with (speed or rpm) with motor) and vacuum	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/27 12:12
S12	1	"4699570".pn.	USPAT	OR	OFF	2009/07/27 12:59
S13	1	"5165864".pn.	USPAT	OR	OFF	2009/07/27 13:00
S14	1	de-19816241-\$).did.	USPAT; DERWENT	OR	OFF	2009/07/27 13:04
S15	43184	(vacuum near2 pump \$3) and pressure and (speed or rpm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 13:17

S16	0	S15 and speed with pressure with (variation or varies or varying) with (power near2 sav\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 13:20
S17	3	S15 and ((speed or rpm) with pressure with (power near2 sav \$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 13:21
S19	3	S15 and ((speed or rpm) with pressure with variation with law \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 13:25
S20	34	((speed or rpm) with pressure with variation with law\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 13:27
S21	136	S15 and((speed or rpm) near5 pressure near5 power)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 13:32
S22	17	(Rival with Jean with Luc).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 14:17
S24	47	(vacuum adj pump\$1) and (pressure near5 (speed or rpm) near5 characteristics)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 14:30
S25	36	(vacuum adj pump\$1) and (pressure near5 (speed or rpm) near5 curve\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 14:45

S26	35	S25 not S24	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 14:45
S27	772	(vacuum adj pump\$1) and (motor near2 speed near2 control\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 15:29
S28	102	(vacuum adj pump\$1) and ((motor near2 speed near2 control\$3) with pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 15:30
S29	25	("3817658"   "5141403"   "5158436"   "5165864"   "5182826"   "5259731"   "5284180"   "5580221"   "5613514"   "5746581"   "5971711").PN. OR ("6045331").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/27 17:09
S30	88	(417/44.3).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/27 20:14
S31	16	S30 and (motor near2 speed) and pressure	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/27 20:15
S39	5	speed with lookup with pressure with pump	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 21:21
S40	6	(speed near2 pressure near2 table) with pump	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 21:21
S41	3	open with loop with control with (motor near2 speed near2 pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 21:28

S42	32	open with loop with control with (speed near2 pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 21:29
S43	31	S42 not S41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 21:29
S44	0	(motor adj1 speed) adj2 versus adj2 (pump near2 pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 21:39
S45	0	(motor adj1 speed) adj2 versus adj2 (pumping near2 pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 21:39
S46	34	(motor adj1 speed) adj2 (pump near2 pressure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/27 21:40
S47	1	dd-262065-\$.did.	USPAT; DERWENT	OR	OFF	2009/07/28 11:27
S48	2	asynchronous with motor with (vacuum near2 pump\$3)	USPAT	OR	OFF	2009/07/28 17:57
S49	53	gradually with reduc\$3 with speed with until with vacuum with reached	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 16:18
S50	1	"6425883".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 16:18
S51	1	S50 and (pneumatic adj inertia)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 16:19
S52	1	"5591127".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 16:27
S54	9	(vacuum adj2 pressure) with (versus or vs) with (speed or rpm)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 16:55

S55	1	"4664601".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 16:58
S56	52	gradually with reduc\$3 with rpm with until with vacuum with reached	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:02
S57	0	S56 not S49	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:02
S58	0	(reduc\$3 adj rpm) with (until adj vacuum)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:03
S59	0	(reduc\$3 adj rpm) with (desired adj vacuum)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:04
S60	0	(reduc\$3 adj rpm) with (desired adj2 vacuum)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:04
S61	0	(reduc\$3 adj rpm) with (vacuum adj pressure)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:04
S62	49	rpm near5 (vacuum adj pressure)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:05
S63	1	overdamped with speed with pressure	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:08
S65	19	(gradually adj reduce adj speed) with motor	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:09
S67	231	(417/423.4).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:11
S68	1	(reduce adj speed) and S67	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:11
S69	1	"4380418".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:15
S70	1	"6289737".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:17
S71	1	"6234759".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:22
S72	1	"7621721".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:26
S73	1	"6022483".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:30
S74	0	actual with pressure with approaches with setpoint with pumping with speed with slows	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:42
S75	1	"7369920".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:47
S76	0	actual with pressure with approaches with setpoint with pumping with speed	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:49

S78	0	actual with pressure with approaches with setpoint with speed	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:50
S79	33	(knf near2 neuberger). as.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:59
S80	20	S79 and vacuum	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 17:59
S81	0	sc920	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 18:05
S82	38	(roland near2 anderson).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/12/07 18:05
S83	0	actual with pressure with approaches with setpoint with pumping with speed	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/07 18:20
S84	8	actual with pressure with approaches with setpoint	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/07 18:20
S85	1	(pumping adj speed) with increased with (speed adj2 process)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/07 18:25
S86	2	(pumping adj speed) with pressure with setpoint	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/07 18:27
S87	29	(pump adj speed) with pressure with setpoint	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/07 18:28
S88	2	"6419455".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/07 18:40



S89	2	"4728869".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/12/07 18:48
S90	0	(servo adj2 control) with overdamped	USPAT	OR	OFF	2009/12/08 09:41
S91	0	(servo near2 control) with overdamped	USPAT	OR	OFF	2009/12/08 09:42
S92	20	(servo near2 overdamped)	USPAT	OR	OFF	2009/12/08 09:42
S93	1	"6731082".pn.	USPAT	OR	OFF	2009/12/08 10:22

### EAST Search History (Interference)

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**12/ 8/ 2009 5:18:20 PM**

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Application 10\_580128.wsp**